

In the Specification:

On page 21 of the Specification that contains the Abstract, replace the paragraph beginning at line 2 with the following paragraph:

A method for position measurement that includes scanning a plurality of graduation periods of one incremental graduation by a detector arrangement extending over a length of one measurement range, a reference marking being integrated with one of the graduation periods, and generating a plurality of periodic scanning signals, of which at least one is locally modified by the reference marking. The method further includes detecting ~~Detecting~~ at least one scanning signal, modified by the reference marking, from among the plurality of periodic scanning signals. The method further includes determining ~~Determining~~ an absolute position of the reference marking within the length of ~~the said~~ measurement range as a function of the scanning signal detected.